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May 30th, 31st, Jun 1st , 2008

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Seminars

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I want to be part of SEA-PAC '08. Please send me:

☐ Registration Form ☐ By email
☐ By US Mail

☐ Flea Market Information☐ Commercial Exhibit Rates and Contract

☐ I would like to present a Seminar:
Topic _____

Name _____ Call _____

Address _____

City _____ State _____ Zip _____

Telephone _____

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**Fill out this form — Leave at the Registration Desk
to receive information on SEA-PAC '08.**

SEA  PAC

SEA PAC



25th Year

Northwestern Division ARRL Convention



Seaside Convention Center Seaside, Oregon

June 1st, 2nd and 3rd, 2007

Web: <http://www.seapac.org>

**Presented by
Oregon Tualatin Valley
Amateur Radio Club**



2007 NW Division ARRL Convention



WELCOME

SEA-PAC, the Northwestern Division ARRL Convention, is sponsored by the Oregon Tualatin Valley Amateur Radio Club. Co-Sponsors include Clark County Amateur Radio Club, Hoodview Amateur Radio Club, and Sunset Empire Amateur Radio Club.

Thanks to convention volunteers for their assistance. We invite everyone to enjoy themselves to the fullest and be a part of making this event a success.

BANQUET SPEAKER

The **SEA-PAC** banquet is a time to reacquaint yourself with hams from around the division, the nation and the world. Our guest speaker at this years banquet is Mary M. Hobart, K1MMH.

Mary M. Hobart, K1MMH, is Chief Development Officer of the American Radio Relay League (ARRL), the national association for Amateur Radio. Hobart is responsible for all fund raising activities on behalf of ARRL including Spectrum Defense, Education and Technology, W1AW and Historic Preservation. She also manages ARRL's Diamond Club for annual giving, the ARRL Maxim Society for lifetime giving, estate planning, and solicits grants to support League emergency communications and educational activities. Her interests in Amateur Radio include emergency communications and education.

Prior to joining the ARRL staff in 2001 as the organization's first development officer, Hobart was the Vice President for Development at Connecticut Public Broadcasting in Hartford, Connecticut. She's also worked in development for public broadcasting stations in North Carolina, Philadelphia and New Jersey.

Banquet Prizes

FT-60R DUAL BAND HT FT-1802M 2M MOBILE

SEA-PAC '07 PIN

Congratulations to C Wayne Schuler AI9Q, winner of the 2007 **SEA-PAC** Pin Contest. He receives two tickets to the Convention Banquet on Saturday evening. Be sure to pick up your 2007 Pin (\$5.00) at the Registration Desk. Pins from some previous **SEA-PAC** Conventions are also available for purchase.

2007 CHUCK MICKLEY Memorial Scholarship

The 2007 Chuck Mickley Memorial Scholarship Recipient is
Steve Johnson, N7VIC

My name is Steve Johnson N7VIC. I was born in and raised in Southern California where I lived until entering the Marine Corps in 1976. While I was on a temporary assignment to



Yuma, Arizona I met another Marine with this weird looking radio in his car. When I asked him about it, he was very anxious to share his hobby of ham radio with me. He made a contact in San Diego, California through a repeater. I was quite impressed and several years later obtained my technician license and then studied for and received Tech Plus. The reason for wanting the license was my interest in community service. Since becoming a ham I have mentored about a dozen people, including my father, all who have been involved in public service and events since. I have found ham radio to be a group of caring and sharing individuals, ready to assist whenever called upon. Its one of the few hobbies that benefit others along the way, and the ham community has proven to be a great community to live in.

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EXHIBITORS

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V.E. TEST SESSION

*Testing at Our Saviour's Lutheran Church—East Parish Hall
(North—across the street from the Convention Center)*

One Session—Saturday at 9 AM

Pre-registration requested. Walk-ins — Space Available

*Express your appreciation to these volunteers. They make SEA PAC '07 Possible.
Committee Chairs are listed above in italics*

SEA-PAC SCHEDULE OF EVENTS

Friday, June 1

Registration	11:00 AM – 8:00 PM
Exhibitor & Flea Market (<i>Setup Only</i>)	11:00 AM – 8:00 PM
Workshop	12:30 PM – 5:00 PM

Saturday, June 2

Exhibitor/Flea Market Set-Up	7:30 AM – 9:00 AM
Registration	8:00 AM – 4:30 PM
Exhibits & Flea Market	9:00 AM – 4:30 PM
Snack Bar	9:00 AM – 4:30 PM
VE Exams (Our Saviour's East Parish Hall)	9:00 AM – NOON
Seminars (Seaside & Riverview Rooms)	9:30 AM – 5:00 PM
Hourly Awards	10:00 AM – 3:00 PM
DX Luncheon (Best Western Oceanview)	11:30 AM – 1:30 PM
YLRL Luncheon (Oceanview Fireplace Room)	11:30 AM – 1:30 PM
QCWA Luncheon (Oceanview Tillamook Room)	11:30 AM – 1:30 PM
ARRL Forum (Seaside A&B)	1:00 PM – 2:15 PM
Special SEA-PAC Award	2:30 PM
Pre-Banquet Happy Hour (Convention Lobby)	6:30 PM – 7:15 PM
SEA-PAC Banquet (Convention Center)	7:15 PM – 9:30 PM

Sunday, June 3

Registration	8:30 AM – 12:00 PM
Exhibits & Flea Market	9:00 AM – 1:00 PM
Snack Bar	9:30 AM – 12:30 PM
Hourly Awards	9:00 AM – 11:00 AM
Special SEA-PAC Award	10:30 AM
SEA-PAC Awards	1:00 PM – 2:00 PM
Convention Closes	2:00 pm

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- See Our Current Reviews in
CQ magazine (February 2007) , QST magazine (April 2007)
PC Today magazine (April 2007)



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MEETINGS AT SEA-PAC

SEA-PAC provides the SEA-MIST Room for these meetings.

Meetings are scheduled by, and the responsibility of, the organizations listed.

Saturday, June 2nd

10:00 AM..... Lighthouse Society Pati Urie W7ZIW
1 PM Oregon ARES Wayne Jack, KK7TT
3:30 PM Oregon Section Cabinet..... Bonnie Altus, AB7ZQ

Sunday, June 3rd

10:00 AM ARRL NW Division Cabinet Jim Fenstermaker, K9JF

RAGS Test Bench

As a service to flea market buyers, the Radio Amateurs of the Gorge (RAGS) provides a test bench. Equipment includes a power supply, speaker, voltmeter, service monitor, frequency counter, oscilloscope and wat meters. Buyers and prospective buyers are encouraged to make use of this service to check out flea market treasures and those unbelievable bargains.

Neither RAGS nor SEA-PAC accepts responsibility for the condition or operability of any equipment, nor can they be held responsible for equipment damage as a result of use of test gear.



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- **IC-T2H/T7H** VHF HT

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SITE LOCATIONS -

Bend - 147.04
Cedar Mill - 147.38 (pl 100)
Eugene - 443.80
LaGrande - 147.26
Medford - 147.02
Mt. Hood - 147.12 & 444.225
Newberg - 444.125 (pl 127.3)
Pendleton - 145.33
Portland - 147.04 & 224.94
442.225
S/Saddle Mtn -
147.32 & 442.325

W1AW/7 Special Event Station

In celebration of this 25th anniversary, SEAPAC and the ARRL have joined forces to bring to you a W1AW/7 special event station, which will be operational Saturday and Sunday on the HF bands.

Enjoy the special event station in one or both of two ways:

You can come to operate from the station, and enjoy the on-the-air popularity of operating with such a famous callsign. We will be in particular looking for those who've never made an HF QSO, and will have experienced and able mentors to help you gain this enjoyable experience.

Or, you can work the station. A special commemorative QSL card will be sent exclusively to those stations who work W1AW/7 during this 25th anniversary event.

Look for us on the following frequencies:

SSB (primary mode): 3990, 7290, 14290, 21390 and 28590 kHz
CW (if visiting ops desire to use CW): 3518.5, 7047.5, 14047.5, 21067.5, 28067.4 kHz

Note: These are the ARRL bulletin and code practice frequencies. During W1AW bulletins and practice from Newington, CT, look for us within 10kHz of those frequencies.

Thanks to:

The ARRL, and David Sumner, K1ZZ, the W1AW station trustee

Jim Fenstermaker K9JF, the Northwest Division Director,
who secured our permission to use the callsign

Sponsoring and supporting clubs:

The Oregon Tualatin Amateur Radio Club (OTVARC) W7OTV (www.otvarc.org)
The Clark County Amateur Radio Club (CCARC) W7AIA (www.w7aia.org)
The Hoodview Amateur Radio Club (HARC) WB7QIW (www.wb7qiw.org)
The Sunset Empire Amateur Radio Club W7BU (email W7LY@charter.net)

SEA PAC EXHIBITORS

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A Better T-Shirt	HRO (Ham Radio Outlet)
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Amateur Radio Relay Group	NCG/Comet Co.
American Red Cross Oregon Trail chapter	OTVARC
AMSAT	National Communications
Arcom Communications	Providence Health Systems
ARRL	Rescue Tape NW
ARRL 7th QSL Bureau	Rissler-R&D.com
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DC Power LLC	The Ventenna Co.
Elecraft	WB0W, Inc.
Fue Enterprises	Western Case Sales
HamAv Electronics	Wired Communications
	YLRL

Due to publication deadlines we apologize for any changes or omissions.

Audio Enhancement Technology
-It All Starts at the Microphone
Bob Heil K9EID
Chip Margelli K7JA
SAT 10:00 AM Seaside A&B

Come learn the fundamentals about sound reinforcement in your station, and see the products and techniques for achieving more effective power output from your transmitter.

An effective microphone is, to the input side of the transmit chain, what an effective antenna is to the output side. Renowned audio guru Bob Heil, K9EID makes his Seaside debut with this animated and informative seminar, along with Heil Sound's VP for Sales and Marketing, Chip Margelli, K7JA.

APRS – Automatic Position Reporting System - APRS
Jim Schoch KA7AGH
SAT 3:00 PM Riverview B

This continues to be one of the most requested topics. While tracking of moving objects and weather reporting are important functions it is basically a mapping system. Learn how it works and how you can get involved with this fascinating area of ham radio.

Working with Emergency Managers
Ed Bruette N7NVP
SAT 10:00 AM

This presentation Ed gave to the EM Assoc. conference is a combination of a 24 min. video produced by Gordon Grove WA7LNC on what amateur radio can give to EM's and a PowerPoint that outlines the comments he made on what EM's can do for Amateur Radio. Ed is State RACES Officer for WA and ARRL Section Manager for WWA.

Thoughts on the Art of Dxing
Lew Sayre W7EW
SAT 10:00 AM Riverview C

If you can't make the DX luncheon Lew agreed to give the same talk he will give at the luncheon.

The Miracle of Balanced Feed
New Concepts With Wire Antennas and Verticals
Ken Glanzer K7GCO
SAT 3:00 PM Riverview C

Ken describes a whole new way to balance feed antennas that assures maximum F/B and gain. F/B above 25 dB is difficult to obtain unless everything is right with the feed system. Also new ways to obtain 50 ohms without matching devices when vertical and yagi Rr's are less than 50 ohms.

There is a new way to top load verticals on 160-40m that is efficient and has good bandwidth and to obtain 50 ohms.

Introduction to Transmitter Hunting
Dale Hunt WB6BYU
SAT 11:00 AM Riverview A

Transmitter hunting, or Radio Direction Finding, can be a fun pastime, an international competitive sport, or a life-saving skill. This seminar will introduce you to the concepts and some simple ways that you can join in the fun.

Emergency Preparedness
American Red Cross
SAT 1:00 PM Seaside C

Fires, floods and other natural or man made disasters can strike often without warning. Are you prepared to protect your home and family. Learn what steps to take now.

Short Antennas for 80 and 40 Meters
Bob Fansburg W7DV
Russ Fillinger W7LXR
SAT 1:00 PM Riverview C

Are the low sunspots and lack of room for an effective antenna on the low bands frustrating you? Bob and Russ think they have the answer. Come and hear some ideas on how to make effective antennas for the low bands.

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COMET CA-2X4SR DUAL-BAND, SUPER WIDE-RANGE 2M/440MHZ W/FOLD-OVER Gain & Wave: 146MHz 3.8dBi 5/8 wave • 446MHz 6.3dBi 5/8 wave x 3 • Length: 40" • Conn: PL-259 • Max Pwr: 150W 21' VSWR: 140-160MHz and 435-465MHz • One Antenna for operating on Amateur and Emergency Service Frequencies	COMET M-24 (W/B/S) 2M/440MHZ DUAL-BAND MAG MOUNT Max Pwr: 80W Coax Length: 12' • Conn choices: M-24M PL-259, M-24B BNC, M-24S SMA Gain: 7.4 dBi • Length: 19.5"	COMET SBB-1 / SBB-1NMO FLEXIBLE DUAL-BAND 2M/440MHZ W/RUBBERIZED ELEMENT Gain & Wave: 146MHz 1.7dBi 1/4 wave • 446MHz 2.15dBi 1/2 wave • Length: 16" • Max Pwr: 60W Conn: SBB-1 PL-259 SBB-1NMO: NMO type	Maldol AX-50 DUAL-BAND 2M/440MHZ Gain & Wave: 2M 1/4 wave • 70cm 5.0dBi 9/8 wave • Length: 21" • Conn: PL-259 • Max Power: 60W	Maldol AX-75 DUAL-BAND 2M/440MHZ W/FOLD-OVER Gain & Wave: 2M 1/2 wave center load 3.2dBi • 70cm 5/8 wave x 2 5.7dBi • Length: 30" • Conn: PL-259 • Max Power: 60W	Maldol AX-95 DUAL-BAND 2M/440MHZ W/FOLD-OVER Gain & Wave: 2M 1/2 wave center load 3.3dBi • 70cm 5/8 wave x 2 5.8dBi • Length: 36" • Conn: PL-259 • Max Power: 60W	COMET B-10 / B-10NMO DUAL-BAND 2M/440MHZ Gain & Wave: 146MHz 0.6dBi 1/4 wave • 446MHz 2.15dBi 1/2 wave • Length: 12" • Conn: B-10 PL-259 B-10NMO: NMO style • Max Pwr: 60W	COMET SBB-2 / SBB-2NMO DUAL-BAND 2M/440MHZ Gain & Wave: 146MHz 2.15dBi 1/4 wave • 446MHz 3.8dBi 5/8 wave center load • VSWR: 1.5:1 or less • Length: 18" • Conn: SBB-2 PL-259 • SBB-2NMO: NMO style • Max Pwr: 60W	Maldol EX-107RB / EX-107BENMO DUAL-BAND 2M/440MHZ Gain & Wave: 146MHz 2.6dBi 1/2 wave • 446MHz 4.9dBi 5/8 wave x 2 1 VSWR: 1.5:1 or less • Length: 25"	COMET SBB-5 / SBB-5NMO DUAL-BAND 2M/440MHZ W/FOLD-OVER Gain & Wave: 146MHz 5dBi 1/2 wave • 446MHz 5.5dBi 5/8 wave x 2 • Length: 39" • Conn: SBB-5 PL-259 SBB-5NMO: NMO style • Max Pwr: 120W	COMET SBB-7 / SBB-7NMO DUAL-BAND 2M/440MHZ W/FOLD-OVER Gain & Wave: 146MHz 5.5dBi 6/8 wave • 446MHz 7.2dBi 5/8 wave x 3 • Length: 55"
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 • Gain: 2.15/3.5dBi • Length: 17" • Conn: BNC Super flexible featherweight whip

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 • Gain: 2.15/3.5dBi • Length: 17" • Conn: SMA Super flexible featherweight whip

COMET SMA-503 DUAL-BAND 2M/70CM HT ANTENNA RX range: 100-1200MHz
 • Length: 8.75" • Conn: SMA

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 NGC/Comet-Anaheim, CA
 National Communications-Kettering, OH
 Rissler R&D.com-Lake Taps, WA
 The Ventenna Co.-Citrus Heights, CA
 Tigertronics-Grants Pass, OR
 Western Case Sales-Salem, OR
 Wired Communications-Scottsdale, AZ
 World Radio-Sacramento, CA

Voice over the Internet Two Killer Applications

Mike Bloom W7RAT

SAT 3:00 PM Seaside A&B

1) Remote Control Your Radio

2) IRLP (Internet Radio Linking Project)

For those who want to enjoy using their ham station from anywhere in the world learn how to remote control your transceiver. In the session a "virtual radio" consisting of a laptop and a microphone will be used to connect to a remote transceiver and voice contacts will be made.

IRLP (Internet Radio Linking Project) is a system with ham radio at both ends of a QSO but with Internet in-between. You'll learn the basic principles of IRLP and how to use a node near you. Using a handitalkie you'll be able to talk to radio amateurs around the world as though they were locals.

DXing for Beginners

Tom Meier K7ZZ

SAT 11:00 AM Seaside C

Tom, an experienced DXer and DXpeditioner, will discuss where to find the DX and how to confirm the contact once you've worked it. He'll also have some tips on how to make your signal heard among the many stations in a pile-up and some equipment software to make your DXing easier.

DXpeditioning Difficult and Easy

Rick Smith KT7G

SAT 1:00 PM Riverview B

Rick will combine and compare two vastly different trips, one to ZK1 (North Cooks), the other to VP5 (Turks & Caicos). Recently retired from 35 years with Motorola, he now resides in Vancouver USA with his understanding wife Barbara. He is currently a board member of CCARC and Trustee of W7DX for WWDXC. His ham interests include DX, Contesting and CW. Rick's other interests include Photography and Macro floral Photography, some examples of which are shown in his presentation.

Due to publication deadlines we apologize for any changes or omissions.

SEMINAR TOPICS

Please silence audio signals during the seminars.

This year again we hope that you find some seminars to attend that catch our interest and open the doors to new ham radio adventures. The presenters below volunteer their time to share with you their knowledge and skills on the many facets of this great hobby. What ever your interests are, you're sure to acquire a great deal of new knowledge to take home.

Listed below is an overview of the seminars we are presenting this year. This is to help you select the seminars of interest. When attending seminars, be sure to thank the presenter when it is over.

ARRL Forum

Mary Hobart K1MMH ARRL Chief Development Officer
Jim Fenstermaker K9JF Northwest Division Director
William Sawders K7ZM Northwest Division Vice Director
SAT 1:00 PM Seaside A&B

An opportunity to meet Jim, Bill and Mary and find out what the ARRL has planned with all these new regulatory changes as well as an opportunity to express your opinion on policy.

Ham Radio and the Law

Phil Kane K2ASP ARRL Volunteer Counsel
SAT 3:00 PM Riverview A

Phil, a lawyer and an engineer, is a F.C.C. veteran working many years in the San Francisco Office. He is ready to discuss the many legal aspects of our hobby such as part 97, CCR, and interference issues. Join him for a lively discussion of your rights and responsibilities.

Exploring Digital Voice Modes

Nick Sutton N7QOR
SAT 1:00 PM Riverview A

Are you feeling out to sea about digital voice? Nick will discuss the two dominate nodes P25 used mainly in the commercial fields and D-Star starting to gain a following in the amateur radio realm. He will do a primer on how they work and compare the two systems.

SEAOPAC

PRIZE AWARDS

ALL PRIZE MODELS SUBJECT TO CHANGE

Sunday, 1:00 - 2:00 pm

Need Not Be Present

IC-91 AD Dual Band HT

IC-2720 H Dual Band Mobile

TM-G707 A Dual Band Mobile

DJ-596 TMKII Dual Band HT

Must Be In Convention Center — None by Proxy

IC-706 MKII G TH-D7A(G) Dual Band HT

DR-620T Dual Band Mobile

AmPro 1000 watt Generator

Early Early Bird Prize

Registration postmarked by February 17, 2007

To be eligible - Need Not Be Present

VX6R Tri Band HT

Early Bird Prize

Registration postmarked by May 15, 2007

To be eligible - Need Not Be Present

IC-718 HF

TH-K2AT 2m HT

HOURLY PRIZES

Unclaimed prizes are re-issued! — None by Proxy

**Hourly awards posted for two hours
in the lobby and on stage**

SPECIAL PRIZE

Must Be In Convention Center

None by Proxy

Saturday, 2:30 pm & Sunday, 10:30 am



**12 STORE BUYING POWER FOR YOU
AND ON-LINE ORDERING TOO!**
<http://www.hamradio.com>

ANAHEIM, CA - ATLANTA, GA - DENVER, CO - NEW CASTLE, DE - OAKLAND, CA - PHOENIX, AZ
PORTLAND, OR - SALEM, NH - SAN DIEGO, CA - SUNNYVALE, CA - BURBANK, CA - WOODBRIDGE, VA

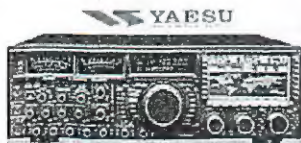
Welcome to Seaside!

**Come by our booth and
receive
special show pricing!**

For the Discriminating Ham



ICOM
IC-7800



FTDX-9000D



TS-2000

SEA-PAC SEMINARS

FRIDAY
1:00 PM

FRIDAY ANTENNA WORKSHOP
Rudy Severns N6LF (Pre-registration only)

Riverview AB&C

SATURDAY
10:00 AM

Audio Enhancement Tech
It All Starts at the Microphone
Bob Heil K9EID Chip Magelli K7JA

Seaside A&B

Working with Emergency Managers
Ed Bruette N7NVP

Riverview B

Thoughts on Dxing
Lew Sayre W7EW

Riverview C

11:00 AM

Transmitter Hunting
Hunt WB6BYU

Riverview A

Dxing for Beginners
Tom Meier K7ZZ

Seaside C

1:00 PM

ARRL FORUM
Mary Hobart K1MMH, Jim Fenstermaker K9JF and
William Sawders K7ZM

Seaside A&B

Digital Voice
Nick Sutton N7QOR

Riverview A

DXpetioning Difficult and Easy
Rick Smith KT7G

Riverview B

Short Antennas for 80 & 40 Meters
Bob Fansburg W7DV, Russ Fillinger W7LXR

Riverview C

Emergency Preparedness
American Red Cross

Seaside C

3:00 PM

Voice over Internet — Two Killer Applications
Mike Bloom W7RAT

Seaside A&B

Ham Law
Phil Kane K2ASP

Riverview A

Introduction to A.P.R.S.
Jim Schoch KA7AGH

Riverview B

The Miracle of Balance Feed and More
Ken Glanzer K7GCO

Riverview C